

ABSTRACT OF THE DISCLOSURE

To provide an image sensor IC which is small in fixed pattern noise. The present invention includes: a sample/hold circuit for separately receiving as its input an optical signal obtained due to storage of electric charges generated due to light incident upon a photoelectric conversion unit, and a signal becoming a reference for the photoelectric conversion unit for a time interval of the first half and for a time interval of the second half to sample these signals for the time interval of the first half and to hold these signals for the time interval of the second half; a subtracter for taking a difference between the sampled and held signal and the inputted signal; and a circuit for clamping a signal from the subtracter for the time interval of the first half.